



Sentiment Analysis

A Probabilistic Approach

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Outline

- 1 The goal
- 2 Approach
- 3 Data Preprocessing
 - Data Cleaning
 - Data Manipulation
- 4 Classification
 - Perceptron
 - Support Vector Machine
 - Naive Bayes
 - Multiclassification with Perceptron
 - Entropy
 - Neural Network
- 5 Conclusion



The goal of the project

Project Description

Sentiment Analysis on messages about EO

- Classification sentiment vs. nonsentiment
- Classification positive vs. negative

Approach



Data Preprocessing

Which features are used?



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Data Cleaning

Hoe hebben we de data gecleaned



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Data Manipulation

Nog meer data manipulatie?



Classification



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Perceptron



Results



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Support Vector Machine



Results



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Naive Bayes



Results



Multiclassification with Perceptron

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Multiclassification with Perceptron



Results



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Entropy



Results



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Neural Network



Results



Conclusion